

FIGURE 1

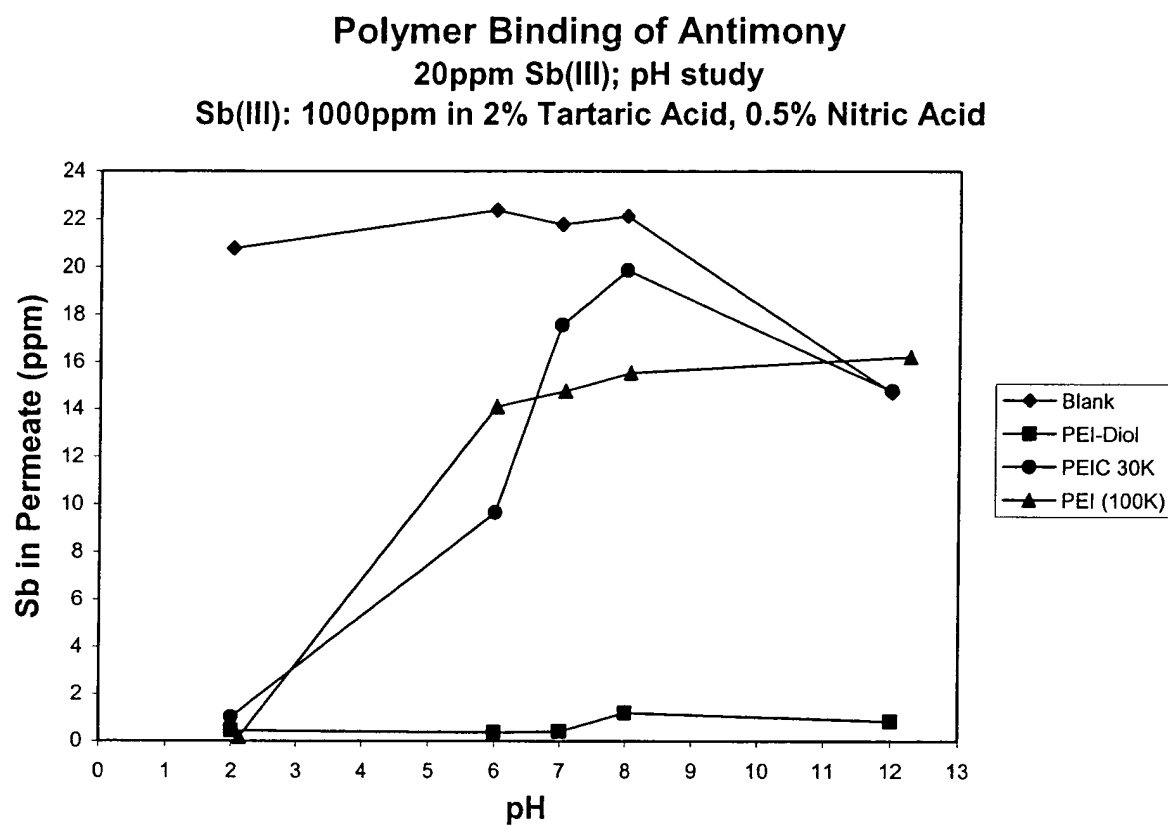


FIGURE 2

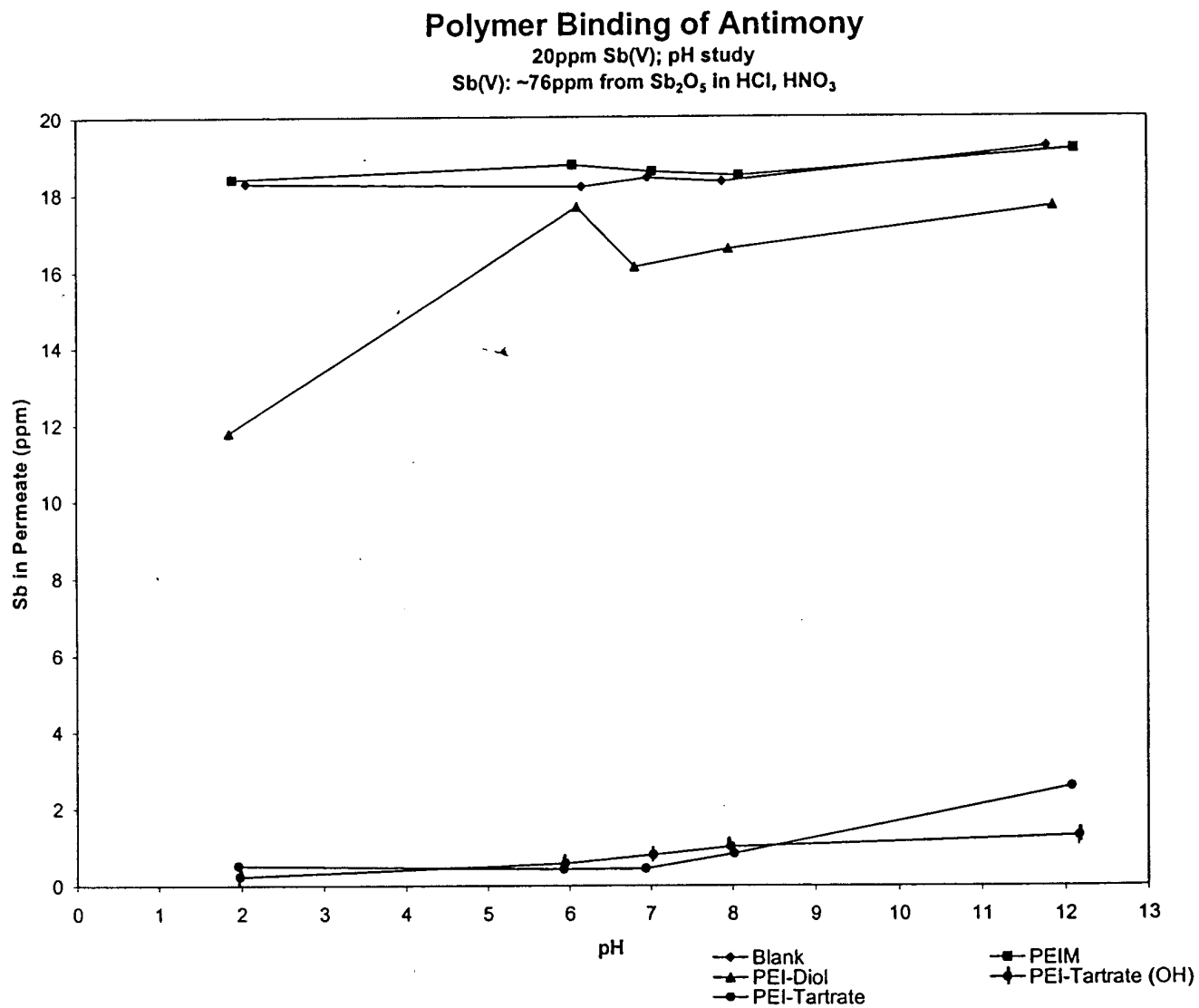


FIGURE 3

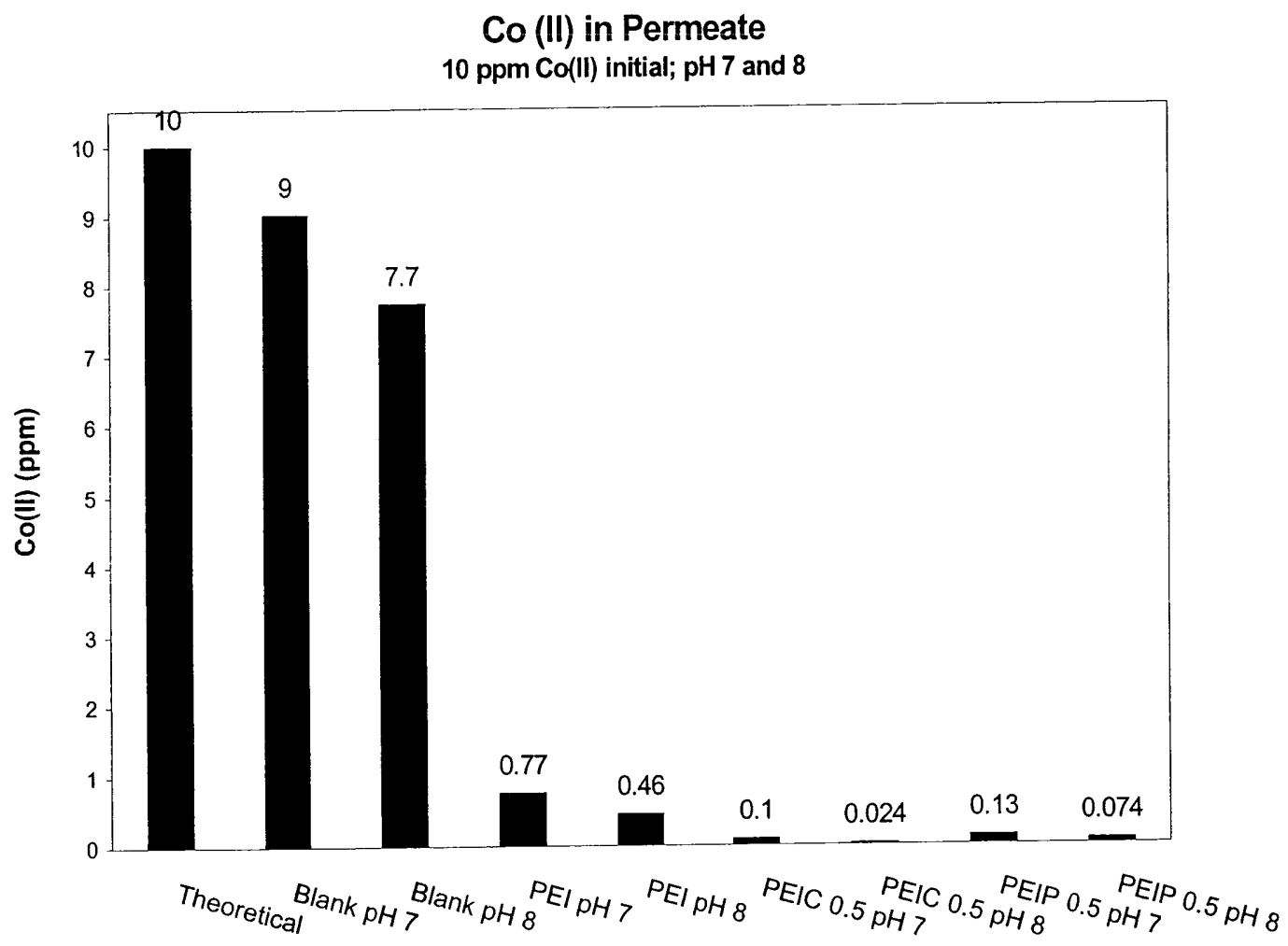


Figure 10: Removal of various poly(ethylene imine) (PEI) derivatives from a 100 mg/L solution of Cu(II) at pH 2, 4, 6, and 8. The chart shows that removal is generally low at pH 2 and 4, and increases significantly at pH 6 and 8, reaching near 100% for most materials.

pH	PEI	PEI-A	PEI-E	PEI-p52-1	PEI-p52-2	PEI-P	PEI-2P	PEI-2C	PEI-PC
2	-5	2	-18	-10	-10	-10	-10	-10	-10
4	-5	-2	70	5	-2	10	5	52	5
6	20	98	95	58	90	92	98	98	93
8	100	98	98	100	100	100	100	100	100

FIGURE 5

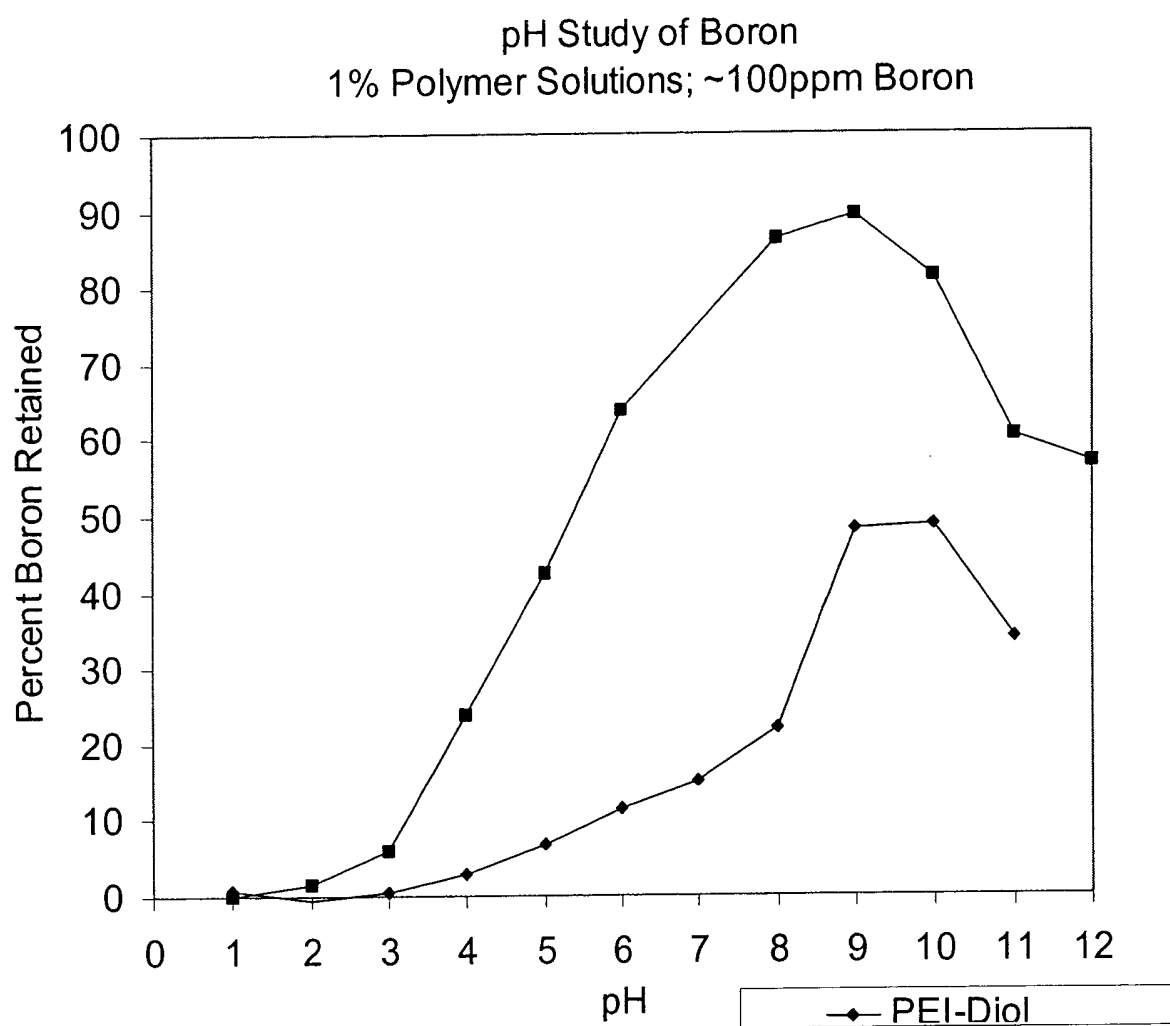


FIGURE 6

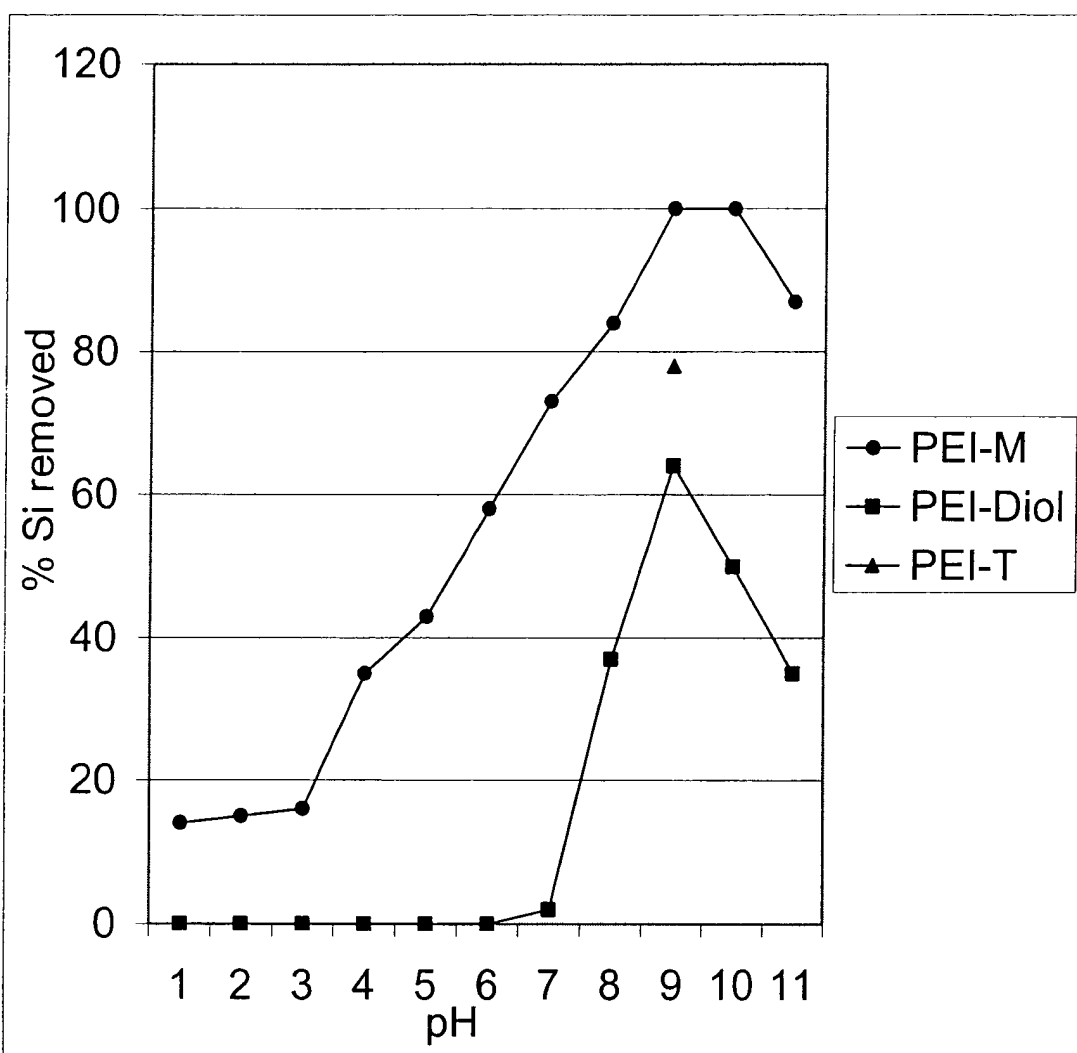


FIGURE 7

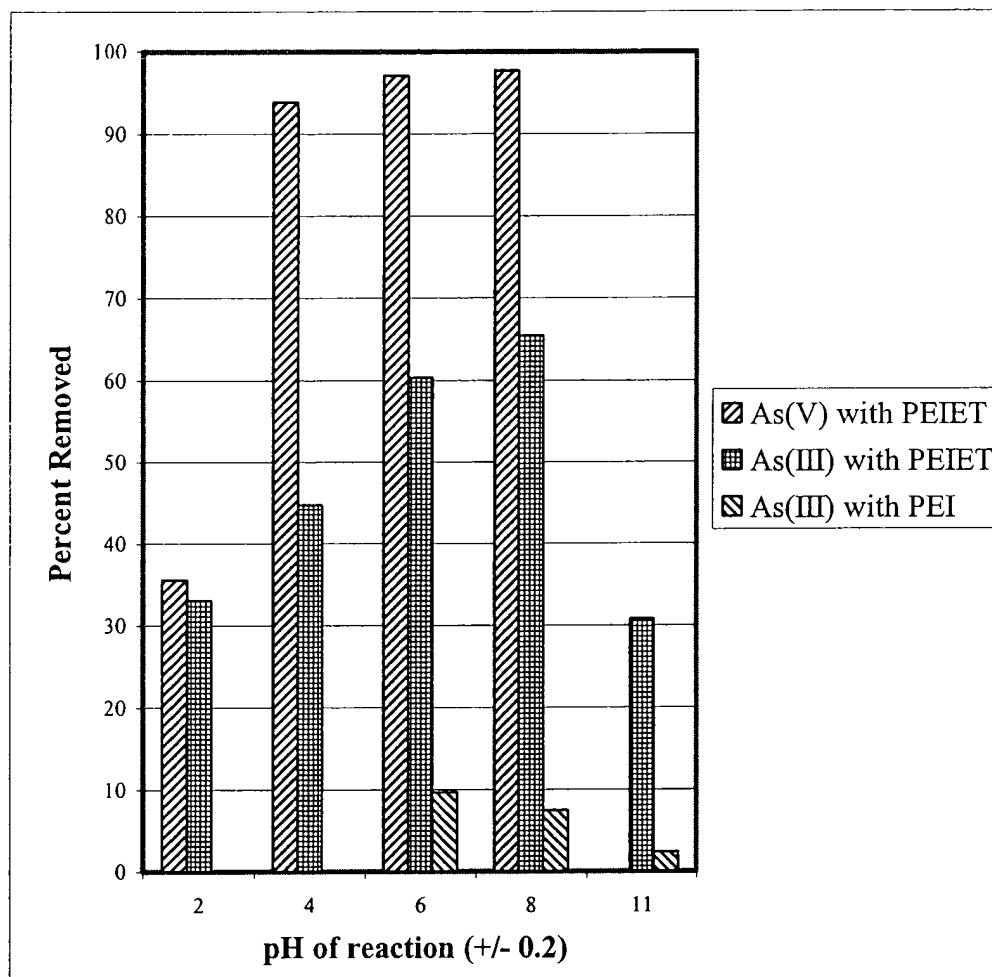


FIGURE 8

